

Atom - VS Code

Using IDEs remotely

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1 Atom

Atom is a free, open source IDE (Integrated Development Environment). You can find information on their website: <https://atom.io/> or the GitHub page: <https://github.com/atom/atom>

1.1 Packages

Atom is very modular and you can add functionality by installing packages. We will only look at a small subset that I find practical.

You can find more packages here: <https://atom.io/packages>

Packages can be installed via the internal package manager, or via console.

1.1.1 Git integration

You can connect to Git repositories and use Atom as a simple interface to stage/stash files, push commits, merge pull requests, etc.

This functionality is built-in!

Help with setup: <https://www.youtube.com/watch?v=6HsZM1-qV5k>

1.1.2 atom-latex

Compiles and shows latex files in Atom. <https://atom.io/packages/atom-latex>

1.1.3 ftp-remote-edit

The workhorse for today. Allows you to add servers and remotely edit files on there. <https://atom.io/packages/ftp-remote-edit>

1.1.4 pdf-view

Allows you to render pdf files within Atom. <https://atom.io/packages/pdf-view>

1.1.5 atom-beautify

Auto-format code. <https://atom.io/packages/atom-beautify>

Wrapper library. "Beautifiers for different languages must be installed individually.

1.1.6 Hydrogen

Use Jupyter Kernels in Atom. <https://atom.io/packages/Hydrogen>

You can either start a local kernel, or connect to a remote kernel in the same way as to a remote notebook (see Til's talk!). Individual lines can be executed and output is shown next to them. Also shows plots.

Help with remote kernel setup: <https://nteract.gitbooks.io/hydrogen/docs/Usage/RemoteKernelConnection.html>

1.1.7 Juno

Julia specific package, similar to Hydrogen, but with more functionality. <https://junolab.org/>

Practical side-bar, integrated plot-pane, workspace to show variables, documentation browser and debugger.

1.1.8 tele-type

Provides another person remote access to your editor instance. <https://teletype.atom.io/>
Practical for working simultaneously on the same code, e.g. as a supervisor.

1.1.9 vim-mode-plus

Vim keybindings and shortcuts for Atom. <https://github.com/t9md/atom-vim-mode-plus>

1.1.10 color-picker

Gives you a simple way to pick RGB/hex colors within Atom. <https://atom.io/packages/color-picker>

1.1.11 file-icons

Shows filetype specific icons next to the file trees. <https://atom.io/packages/file-icons>

1.2 Themes

The appearance can be modified on two levels: UI and Syntax highlighting. The list of themes to choose from is extensive, I will only give some examples.

More info can be found here: <https://atom.io/themes>

1.2.1 UI Themes

Default: One Dark/Light

Google style: Atom Material

Sublime Text: Sublime Dark

1.3 Syntax Themes

Default: One Dark/Light

Sublime: Monokai Sublime